

EQUIPMENT SCHEDULE

PACKAGED WATER COOLED CHILLER:

DESIGNATION	QTY	LOCATION	TYPE	COOLING CAPACITY (kW/TR)	EVAPORATOR DATA					CONDENSER DATA					MAX POWER INPUT (kW)	ELECTRICAL CHARACTERISTIC			CONTROLLER TYPE	REMARKS
					WATER FLOW (l/s/GPM)	ENT WATER TEMP. (°C/°F)	LVG WATER TEMP (°C/°F)	MAX PRESSURE DROP (KPa/ft.)	FOULING FACTOR (M ² .K/kW)	WATER FLOW (l/s/GPM)	ENT WATER TEMP. (°C/°F)	LVG WATER TEMP. (°C/°F)	MAX PRESSURE DROP (KPa/ft.)	FOULING FACTOR (M ² .K/kW)		VOLTS	PHASE	HERTZ		
CH-03	1	CHILLER PLANT	WATER COOLED CENTRIFUGAL	1231 / 350	44.4 / 700	12.22 / 54	5.6 / 42	60 / 20	0.0176	66.24 / 1050	29.44 / 85	35 / 95	39 / 13	0.0440	196	460	3	60	SOFT STARTER	1. C/W AUTO TUBE BRUSH CLEANING SYSTEM 2. OWNER SUPPLIED OR GFE

CHILLED WATER PUMPS:

DESIGNATION	QTY.	LOCATION	PUMP DATA					ELECTRICAL CHARACTERISTICS			CONTROLLER TYPE	REMARKS
			WATER FLOW RATE (l/s/GPM)	TOTAL DYNAMIC HEAD (TDH) (M/ft.)	MOTOR SIZE (kW/Hp)	TYPE	PUMP SPEED (RPM)	VOLTS	PHASE	HERTZ		
PCWP-03	1	CHILLER PLANT	44.4 / 700	19 / 60	11.2 / 15	HORIZONTAL SPLIT CASE	800	460	3	60	VFD	OWNER SUPPLIED OR GFE
SCWP-01 & 2	2	CHILLER PLANT	81.4 / 1290	29 / 95	37.3 / 50	HORIZONTAL SPLIT CASE	1750	460	3	60	VFD	

CONDENSER WATER PUMP:

DESIGNATION	QTY.	LOCATION	PUMP DATA					ELECTRICAL CHARACTERISTICS			CONTROLLER TYPE	REMARKS
			WATER FLOW RATE (l/s/GPM)	TOTAL DYNAMIC HEAD (TDH) (M/ft.)	MOTOR SIZE (kW/Hp)	TYPE	PUMP SPEED (RPM)	VOLTS	PHASE	HERTZ		
CP-03	1	CHILLER PLANT	66.24 / 1050	19 / 60	19.3 / 25	HORIZONTAL SPLIT CASE	1800	460	3	60	VFD	OWNER SUPPLIED OR GFE

COOLING TOWER:

DESIGNATION	QTY	LOCATION	TOTAL FLOW RATE (l/s/GPM)	PERFORMANCE DATA			TYPE	NO. OF FANS	MOTOR SIZE (kW/Hp)	FAN DATA			CONTROLLER TYPE	REMARKS
				WATER INLET TEMP. (°C)	WATER OUTLET TEMP. (°C)	AMBIENT (°C WB)				ELECTRICAL CHARACTERISTICS				
										VOLTS	PHASE	HERTZ		
CT-03	1	CHILLER PLANT	66.24 / 1050	35	29.44	27.1	INDUCED DRAFT CROSS FLOW	1	18.65 / 25	460	3	60	WYE-DELTA	OWNER SUPPLIED OR GFE

SAND FILTER SYSTEM WITH AUTOMATIC BACKWASH SYSTEM:

DESIGNATION	QTY	NOMINAL FLOW (l/s) (GPM)	INLET/OUTPUT PRESSURE (PSI)	PUMP TYPE & MOTOR RATING (hp/kW)	PIPING CONNECTION INLET/OUTLET TYPE	ELECTRICAL CHARACTERISTICS			REMARKS
						VOLTS	PHASE	HERTZ	
SFU-01	1	3.78 (60)	20 - 50	SELF-PRIMING (2.0/1.5)	40mmø UPVC SCH. 40	460	3	60	1. CONTROL SYSTEM SHALL BE AUTOMATED. 2. BRONZE DIAPHRAGM VALVES 3. TIMER 1 - 8 MINUTES 4. NEMA 3 ENCLOSURE 5. CARBON STEEL OR FRP TANK 6. MANUFACTURED BY PEP, OR APPROVED EQUAL 7. OWNER SUPPLIED OR GFE

UNITED STATES EMBASSY
MANILA, PHILIPPINES



FACILITIES MANAGEMENT

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PROFESSIONAL MECHANICAL ENGINEER

PRC Reg. No: 2886 PTR No: 3178285

Date: JANUARY 04, 2012 Place: MAKATI CITY

APPROVED BY :			
DISCIPLINE	INITIAL	SIGNATURE	DATE
SFM	PLS		
DFM	RLW		
CIVIL/STRL			
ELECT'L			
MECH'L			

		DATE	
RevNo	Revision note	Date	Sign.

Project Title

US EMBASSY
MAIN CHILLER
PLANT ADDITION

Location

ROXAS BOULEVARD, PHILIPPINES

Release For Construction:

FMF FMS

SHEET CONTENT

MECHANICAL SERVICES
EQUIPMENT SCHEDULE

Phase

☐ CONCEPT ☐ 35% ☐ 60% ☐ 90% ☒ 100% ☐ FINAL

Date29OCT12CADD File Name

DesignedESLDrawn ByCTF

CheckedJCC/OVRDrawing NumberMO-02

Project NumberMP1044Sheet Number2 of 7

Contract No.

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FOR TENDER